

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102821\
 Data File : VY006504.D
 Acq On : 28 Oct 2021 10:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 10/29/2021 4:38:33 PM

Quant Time: Oct 29 05:04:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	138095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	212726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	195922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82479	48.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.080%		
35) Dibromofluoromethane	7.722	113	59670	50.326	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.660%		
50) Toluene-d8	10.185	98	262802	52.286	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.580%		
62) 4-Bromofluorobenzene	12.483	95	87597	51.736	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	60183	47.146	ug/l	99
3) Chloromethane	2.119	50	84993	49.328	ug/l	97
4) Vinyl Chloride	2.260	62	93768	48.728	ug/l	97
5) Bromomethane	2.656	94	68583	53.497	ug/l	97
6) Chloroethane	2.802	64	49478	43.542	ug/l	95
7) Trichlorofluoromethane	3.131	101	121968	49.917	ug/l	96
8) Diethyl Ether	3.534	74	37106	46.370	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	62852	50.524	ug/l	99
10) Methyl Iodide	4.101	142	46684	35.907	ug/l	99
11) Tert butyl alcohol	4.960	59	27279	176.701	ug/l #	87
12) 1,1-Dichloroethene	3.881	96	64488	51.725	ug/l	99
13) Acrolein	3.735	56	22161	207.643	ug/l	97
14) Allyl chloride	4.491	41	128764	50.180	ug/l	97
15) Acrylonitrile	5.168	53	95263	211.396	ug/l	100
16) Acetone	3.954	43	105283	215.161	ug/l	98
17) Carbon Disulfide	4.204	76	211935	51.827	ug/l	100
18) Methyl Acetate	4.485	43	64000	40.335	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	182988	45.780	ug/l	99
20) Methylene Chloride	4.723	84	76224	50.197	ug/l	96
21) trans-1,2-Dichloroethene	5.229	96	72236	51.092	ug/l	98
22) Diisopropyl ether	6.131	45	258802	50.605	ug/l	95
23) Vinyl Acetate	6.070	43	733960	235.962	ug/l	99
24) 1,1-Dichloroethane	6.027	63	136323	50.978	ug/l	98
25) 2-Butanone	6.990	43	138432	215.944	ug/l	99
26) 2,2-Dichloropropane	6.990	77	131157	51.566	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	80578	49.923	ug/l	98
28) Bromochloromethane	7.344	49	50758	46.783	ug/l	96
29) Tetrahydrofuran	7.356	42	82625	210.084	ug/l	97
30) Chloroform	7.515	83	135968	49.235	ug/l	99
31) Cyclohexane	7.789	56	139309	50.638	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	128588	50.427	ug/l	99
36) 1,1-Dichloropropene	7.923	75	110366	52.508	ug/l	99
37) Ethyl Acetate	7.082	43	55730	41.895	ug/l	98
38) Carbon Tetrachloride	7.905	117	117229	50.558	ug/l	100
39) Methylcyclohexane	9.185	83	135010	52.765	ug/l	99
40) Benzene	8.167	78	304302	50.760	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	44224m	58.590	ug/l	
42) 1,2-Dichloroethane	8.240	62	100090	46.753	ug/l	100
43) Isopropyl Acetate	8.277	43	112286	43.512	ug/l	99
44) Trichloroethene	8.941	130	80507	52.071	ug/l	100
45) 1,2-Dichloropropane	9.222	63	74673	50.288	ug/l	97
46) Dibromomethane	9.307	93	38809	47.613	ug/l	97
47) Bromodichloromethane	9.502	83	103223	48.681	ug/l	99
48) Methyl methacrylate	9.295	41	55341	46.271	ug/l	95
49) 1,4-Dioxane	9.301	88	9203	831.659	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	286825	212.032	ug/l	100
52) Toluene	10.246	92	191325	50.866	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	110123	48.210	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	122088	49.332	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	52851	46.896	ug/l	99
56) Ethyl methacrylate	10.514	69	78983	45.365	ug/l	99
57) 1,3-Dichloropropane	10.795	76	96241	46.989	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	174685	219.938	ug/l	99
59) 2-Hexanone	10.837	43	219428	224.125	ug/l	100
60) Dibromochloromethane	10.990	129	64060	46.083	ug/l	100
61) 1,2-Dibromoethane	11.093	107	47902	45.146	ug/l	99
64) Tetrachloroethene	10.721	164	93897	54.810	ug/l	99
65) Chlorobenzene	11.520	112	192862	50.581	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	72510	50.515	ug/l	99
67) Ethyl Benzene	11.593	91	381323	52.520	ug/l	100
68) m/p-Xylenes	11.703	106	286446	104.872	ug/l	100
69) o-Xylene	12.032	106	136507	52.376	ug/l	97
70) Styrene	12.044	104	230425	51.709	ug/l	100
71) Bromoform	12.209	173	41458	45.692	ug/l #	98
73) Isopropylbenzene	12.331	105	366609	53.518	ug/l	100
74) N-amyl acetate	12.142	43	104334	45.913	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	51894	43.758	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	41929m	41.550	ug/l	
77) Bromobenzene	12.611	156	81949	50.777	ug/l	98
78) n-propylbenzene	12.672	91	452888	53.498	ug/l	100
79) 2-Chlorotoluene	12.758	91	247642	52.839	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	309579	53.972	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	22761	46.306	ug/l #	93
82) 4-Chlorotoluene	12.855	91	255329	52.284	ug/l	100
83) tert-Butylbenzene	13.075	119	267035	54.176	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	301960	52.651	ug/l	100
85) sec-Butylbenzene	13.258	105	403028	54.455	ug/l	99
86) p-Isopropyltoluene	13.373	119	338859	53.668	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	166702	51.465	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	162274	50.952	ug/l	100
89) n-Butylbenzene	13.697	91	324147	54.575	ug/l	100
90) Hexachloroethane	13.965	117	60744	53.269	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	142994	50.331	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10246	40.696	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	92402	49.266	ug/l	99
94) Hexachlorobutadiene	15.111	225	62287	51.817	ug/l	99
95) Naphthalene	15.239	128	161277	43.931	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	77412	47.132	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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